ACR-SIIM AI Infrastructure Readiness Checklist

Ask any imaging platform vendor to answer each question in writing. Their answers become part of the documentation your AI governance group will need.

Vendor: _____ Reviewed by: _____ Date: _____

#	What the parameter expects	Question to ask your vendor	Yes	Partial	No
1	**Documented routing rules for each AI tool**	Can we define, view, and export the routing rule for every AI tool?	☐	☐	☐
2	**Standards-based AI workflows**	Which IHE AI profiles do you support, and can we see your conformance statement?	☐	☐	☐
3	**Images reach the AI correctly and securely**	How do you detect and alert on incomplete or failed transfers?	☐	☐	☐
4	**Results return correctly to the patient's record**	Where are AI results stored, and in what format?	☐	☐	☐
5	**Users know when AI has run, and why it did not**	Will our radiologists see when an AI tool ran, failed, or rejected a study?	☐	☐	☐
6	**An up-to-date inventory with model versions**	Is the model version captured with each result, and are we notified before updates?	☐	☐	☐
7	**Logging of acceptances, rejections, and overrides**	Can we report on how often radiologists accept or override each tool?	☐	☐	☐
8	**Auditable logs of data the AI accesses**	Can we audit which studies each AI tool accessed and when?	☐	☐	☐
9	**Encryption, restricted access, and MFA**	How is AI access authenticated and restricted?	☐	☐	☐
10	**A plan for reverting to non-AI work during outages**	What happens to our reading workflow if an AI tool goes down?	☐	☐	☐
11	**Local acceptance testing before full rollout**	Can we test a tool on our own data before turning it on for everyone?	☐	☐	☐
12	**Continuous monitoring and registry benchmarking**	Can your platform support our participation in Assess-AI?	☐	☐	☐
13	**AI output reviewed before it is stored or shared**	Can we prevent AI results from reaching the record or portal before review?	☐	☐	☐

Based on the ACR-SIIM Practice Parameter for Imaging Artificial Intelligence (2026).
Educational guidance, not a legal standard of care. Last verified October 2026.

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